



9 October 2024

SNX to commence drilling at Blackhawk, Nevada to target high-grade silver

Highlights

- Reverse circulation (RC) rig mobilising to site to commence 1500m program at the Blackhawk epithermal project, Nevada, to follow up previous drilling results up to 1270g/t Ag and 823g/t Ag at the Endowment Mine.
- Drilling to commence next week and is expected to take approximately 14 days to complete with assay results to follow near term.
- Drilling will target near-surface mine extensions and follow up discovery hole BHD006 which returned 12m at 219 g/t Ag and 11.6% Pb + Zn from 250m including 5m at 479 g/t Ag and 25.9% Pb + Zn¹.
- **Blackhawk Epithermal project's silver intercepts are associated with very high-grade lead-zinc-gold demonstrating the potential for extremely high value polymetallic-silver ore.**
- Recent LiDAR survey of the Endowment Mine's accessible underground workings completed last month has defined additional targets which could be included in an expanded drill programme.

Sierra Nevada Gold (ASX: SNX) is pleased to announce a 1,500m RC drill program is set to commence next week to follow up previous drilling with returned up to **1270 g/t silver** in BHD006 at the Endowment Mine, part of its Blackhawk Epithermal project in Nevada, USA.

SNX has identified a large and high-grade intermediate sulphidation epithermal Ag-Au-Pb-Zn vein system, related to a porphyry system located immediately to the south of the epithermal project. Partially coincident with the porphyry system, the Blackhawk epithermal project vein system covers about 5km² and is open under cover to the north and northeast, with 22.5-line km of veins identified to date (see figure 1).

SNX recently completed a LiDAR survey of the accessible underground workings within the Endowment Mine, which has enabled SNX to more accurately locate and rectify underground historical maps, positively impacting future exploration drill targeting, improving understanding of the vein and structure morphology and relationships to better define the best prospects for drilling (see figure 2).

SNX Executive Chairman Peter Moore said, "We have spent considerable time planning the upcoming drill program to test the most prospective silver targets at Blackhawk. Previous drilling at the Endowment Mine at Blackhawk has delivered high-grade results up to 1270g/t silver and we are keen to further test this system, with more than 20km of veins identified to date.

"The commencement of drilling is imminent and is expected to take 10-14 days to complete, with results expected in 4 – 6 weeks thereafter."

¹ Details previously reported - Sierra Nevada Gold Replacement Prospectus - Page 32, 33

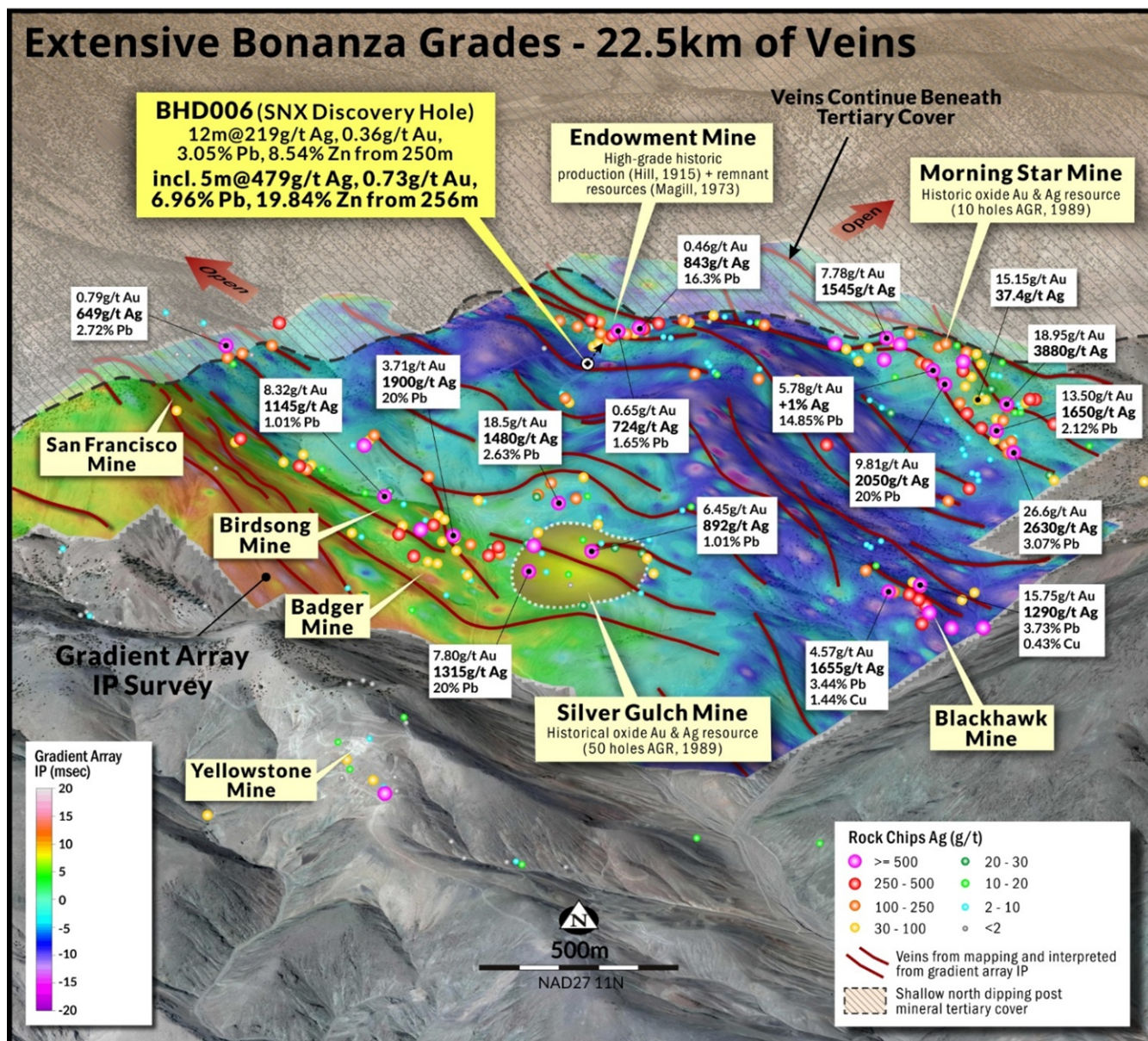


Figure 1: Oblique view looking north of the Blackhawk Epithermal Project with a 3.5km by 2.5km field of view. The Blackhawk Porphyry project is situated in the foreground with the epithermal system being partially coincident with the porphyry system's surface expression.²

² See ASX Announcement 31 May 2023 – SNX initiates Blackhawk Porphyry JV process: and prepares for drilling at Warrior, Nevada, USA

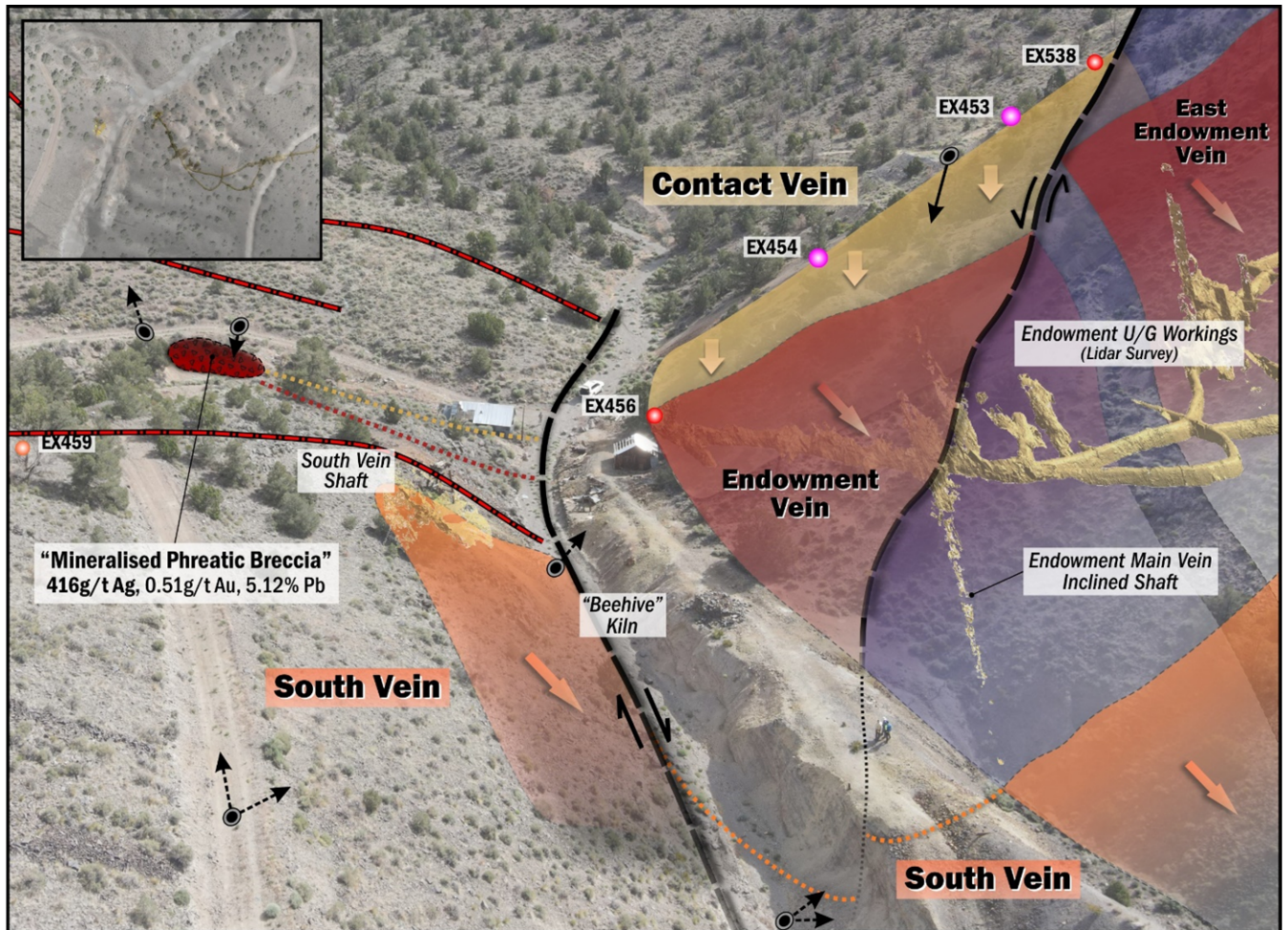


Figure 2: Oblique view looking north of the Endowment Mine. Oblique view looking north of the Endowment Mine. Schematically presented are the various mineralised veins, main structures, LiDAR survey (in gold), proposed drilling (black) and selected rock chips samples (previously reported). Also shown as red/black lines are untested chargeable features generated from a detail Gradient Array Induced Polarisation (GAIP) survey. Inset plan shows the surface trace of the obliquely elements shown in main image. Note – the northern two GAIP features are covered by active colluvium coming down from the north.³

Endowment Mine

The Endowment mine was initially mined in the 1860s with most mining completed by the 1880s, achieving reported production of 70,000oz Au equivalent (Hill, 1915). Mining ceased at Endowment in the 1920s due to the inability to process sulphide ores and prevailing depressed economic conditions. Mineralisation is reported to remain within, and within reach of, the current infrastructure (Magill, 1973).

Most ore within Endowment Mine was reportedly won from the Endowment Vein – a moderately SW dipping (45deg), NW striking polymetallic vein that was exploited to the 4th Level, approximately 90m below surface. High grade shoots within the Endowment vein structure moderately to steeply plunge to SE. Between the 3rd and 4th levels, mineralisation transitioned from dominantly oxide to sulphide ore. Other notable veins include the South Vein a sub parallel vein the Endowment vein which was accessed from the west side of the gulch.

Importantly, previously reported SNX hole BHD006 (discussed above) intersected the downdip extension of the Contact vein, a steeply SW dipping (80deg), NW striking high-grade polymetallic vein. The Contact vein was

³ See ASX Announcement 26 September 2024 – LiDAR survey further defines Endowment Mine drilling targets.



exploited at surface by a shallow open cut which broke through into the workings below – little historical information is recorded of production from this vein.

Previous drilling by SNX beneath the Endowment mine at Blackhawk returned **12m at 219 g/t Ag from 250m** including **5m at 479 g/t Ag from 256m**. This drill intercept is 150m vertically below the deepest portion of the mine and includes higher grade intersections of:

- **0.5m at 1270 g/t Ag from 256.5m (21.5% Pb + Zn)**
- **1m at 823g/t Ag from 257m (30.1% Pb + Zn)**
- **1m at 654 g/t Ag from 258m (+50% Pb+ Zn)**

The intersection described above comes with considerable polymetallic credits. The complete mineralised intersection of 12m at 219g/t Ag also contains 3.05% Pb and 8.54% Zn across the interval, significantly increasing the potential value of mineralisation within the vein/structures.

Next steps

While the 1,500m RC drill program is underway, mapping and sampling will continue, prioritising the Morning Star, Nellie, and San Francisco prospects for an expanded drilling programme at Blackhawk. Previous sampling at these prospects returned high-grade silver including +1% Ag (Morning Star EX398), 2,630g/t Ag (Nellie EX354) and 649g/t Ag (San Francisco EX638).

Drilling at Blackhawk is expected to take 10 -14 days to complete, with assay results expected in 4 - 6 weeks thereafter.



About Sierra Nevada Gold (SNX)

Sierra Nevada Gold (SNX) is actively engaged in the exploration and acquisition of precious and base metal projects in the highly prospective mineral trends in Nevada, USA since 2011. The Company is exploring five 100%-controlled projects in Nevada, comprising four gold and silver projects and a large copper/gold porphyry project, all representing significant discovery opportunities for the company.

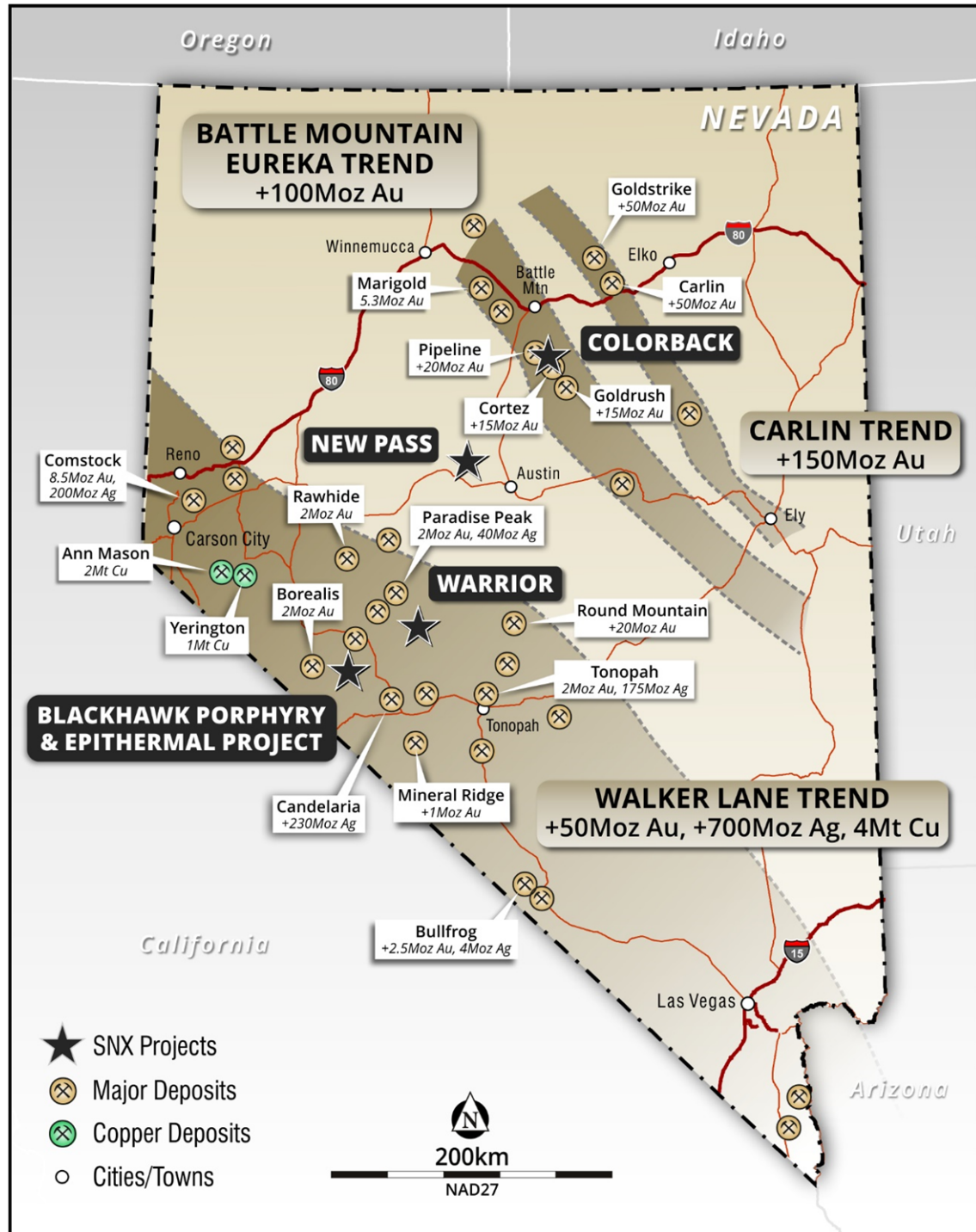


Figure 3. Location of SNX projects in Nevada, USA showing the location of the major gold and copper deposits.



This announcement was authorised for release by Mr Peter Moore, Executive Chairman of the Company.

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Competent Persons Statement

Information in this document that relates to Exploration Results is based on information compiled or reviewed by Mr. Brett Butlin, a Competent Person who is a Fellow of the Australian Institute of Geoscientists (FAIG). Mr. Butlin is a full-time employee of the Company in the role of Chief Geologist and is a shareholder in the Company. Mr. Butlin has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Butlin consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.